ABSTRACT

Microbial growth on a first surface of a medical device in indirect contact with tissue such as a prosthesis and particularly a valve, cartridge or ring in a voice prosthesis, is inhibited by providing antimicrobial activity at a level sufficient to retard growth of a microbial film by dispersing an antimicrobial agent such as triclosan or butyl paraben dispersed in a medical grade silicone elastomer. valve, ring or cartridge is in contact with body fluids containing microorganisms and nutrients therefor. The antimicrobial surface can interfere with or inhibit the growth of a biofilm, bacterial layer or a yeast layer. The body of the prosthesis may also contain an antimicrobial surface as long as it is non-toxic to the tissue it contacts.